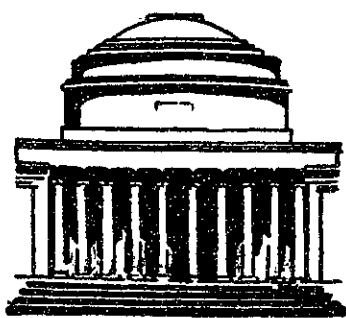


# The Tech



MASS. INST. OF TECHNOLOGY  
DEC 17 1940  
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Vol. LX No. 53

CAMBRIDGE, MASS., TUESDAY, DECEMBER 17, 1940

Price Five Cents

## Eight Courses For Defense Begin Jan. 13

**Prof. R. D. Douglass Announced Date For First Class**

Eight of the thirteen courses offered by the Institute for the Engineering Defense Training Bureau start at 7:15 P.M., Monday, January 13, it was announced last night by Professor Raymond D. Douglass of the department of Mathematics, Technology's representative on the bureau.

The remaining five courses, which include Naval Architecture, Marine Engineering, Aeronautical Engineering, Aircraft Engineering, and Fundamentals of Engineering for graduates of colleges of liberal arts, begin on Monday, February 3. Although these classes offered in the program are to be run in the same manner as the regular Institute curriculum, they will interfere in no way with the regular Institute curriculum, they will interfere in no way with the regular schedule. Students taking the courses are to remain separate from the Institute undergraduates as a school within a school.

### Two Hour Night Classes

The night school courses are to be presented in two hour classes on Monday, Wednesday, and Friday, except for the course in Textile Testing which is to be given in Saturday classes.

Included in the schedule offered in the night courses are: Study of Vibrations; Instrumentation (with applica-

*(Continued on Page 4)*

## A. P. O. Initiates 13 New Men At Pledge Dinner

**Clean Living Stressed In Main Address By Professor Owen**

Thirteen pledges of Alpha Phi Omega, national scouting fraternity, were formally initiated at the annual pledge banquet held last night at the Smith House. Professor George Owen of the Naval Architecture department emphasized as main speaker the necessity of clean living and the development of real friendships and service to the community.

Professor Bernard E. Proctor and Oscar Hedlund, faculty advisors of the fraternity, then continued the program with brief talks to the members present. Henry L. Pohndorf, '41, president, acted as toastmaster and led group singing.

The pledges initiated are Carlos Arguelles, '41, Henry N. Bowes, '44, John L. Dawson, Jr., '44, Morgan Gilbert,

*(Continued on Page 4)*

## Lowell Institute Receives Portrait of Prof. Park

A portrait of Professor Charles F. Park, director of the Lowell Institute School, was presented to that body by Professor George E. Russell, a member of the staff, at a reception of Lowell alumni in Walker Memorial last Saturday. Dr. Karl T. Compton and Mrs. Compton were guests at the reception, and Dr. Compton spoke for the Institute.

The Lowell Institute was established in 1903 under the auspices of Technology, and Professor Park has been its director since that date. The aim of the Lowell Institute is to train for key positions in industry, non-commissioned officers and men who work all day at their occupations.

## T.C.A. Helps Students Plan Transportation

Representatives from the bus and railroad companies will be in the T.C.A. office from 12:15 until 1:45 P.M. December 11 to 20th to aid students in planning their vacation transportation. Airline men will be in the office from 12:00 until 1:45 on the same days. Students may also sign up for the driver-passenger service in the office.

Students who plan to take reservations on any of the special student streamliners, such as the "Hiawatha" and "the Rocket" should get them as soon as possible, or they will be unable to do so, according to Kenneth L. Warden, '43, director of T.C.A. travel Service Bureau.

## 110 Buy Tickets For 5:15 Dance

**New Year's Eve Ball To Include Dinner And Dancing Until 6**

Attracted by visions of Father Time promenading about the Main Lobby and pushing a perambulator containing an effigy of the New Year, 1941, 110 students purchased reservations to the annual 5:15 Club New Year's Eve Ball, Norman I. Shapira, '41, chairman of the Ball Committee, announced last night.

The sale of reservations will continue for the remainder of the week at the Main Lobby ticket booth, which has been decorated with balloons, confetti, streamers, and noise-makers of all sorts in an attempt to recreate in miniature the entertainment to be presented at the Arlmont Country Club on New Year's Eve.

### Band and Victrola

The program for the Ball starts at 9:30 P.M. with a full-course dinner followed by dancing to music furnished by Ken Reeves. The band has been signed to play only until 3 A.M. After that dancing will continue until 6, or shortly thereafter, aided by music furnished by records.

The reservations, which are on sale during the entire week from 9 to 4, cost \$2.50, and may be redeemed for \$3.00 from December 16 to 20.

## Article Discusses Dinghy Racing

**"Monitor" Describes Sailing Tests Given At Technology**

Tracing the growth of intercollegiate dinghy racing since it was first introduced by Technology five years ago, an article by Wendell A. Davis, well-known Boston sailor, will appear in the Christian Science Monitor on Saturday, December 21. Copies of this issue will be on sale in the dorm office and should prove an interesting souvenir to all interested in sailing.

Describing the introduction of the sport to college life by John Austin, president of the class of 1936, the article goes on to give a complete description of the way the Intercollegiate Yacht Racing Association championships are run off. It also gives a description of the various tests a Tech student must pass before being allowed to operate one of Technology's fleet of fifty dinghies, which, incidentally, is the largest fleet available at any college.

### Chemical Society

Dr. Alberto F. Thompson, Jr., of the department of Chemistry, will address the Chemistry Society on "Chemistry in Color Photography" at the next meeting of the society, which is scheduled to be held Tuesday, December 17, in Room 10-275.

## DEBATE FINALISTS FETED



Staff Photo  
L. to R.: Harold Schnitzer, Edgar Eaton, Andrew Schmitz, Paul Erlandson, Professor Theodore Smith, David Brown, Dean Picton and Richard Bersohn

## Outing Club To Celebrate 5th Birthday

The M.I.T. Outing Club celebrates its fifth birthday this week with the showing of a 1200-foot three-reeler on skiing technique, at a ski meeting on Wednesday, December 18, in Room 1-390 at 5:00 P.M.

The film was produced by five of the world's best professional skiers, for their own private use. Owing to the fact that most of these Europeans were recalled home by their respective governments for war service, they recently released this picture to the public in order to raise money.

### Meeting Open To All

"This meeting is open to all who are interested in winter sports, and non-members are welcome," announced Alexander W. Welch, '41, the meetings director of the club.

The club's first square dance of 1941 will get under way at 8:00 P.M. on Saturday, January 11, in the Hangar Gym. Professors F. Alexander Magoun and Dean Peabody, Jr., and their wives are to act as chaperones. Sign-up lists are to be posted today in the Outing Club office in the basement of Walker Memorial. Forty-six couples will be accommodated at a charge of forty cents apiece. No stags are to be admitted and members will have to supply their own dates.

### "Ski Runners" Precede O. C.

The origin of the Outing Club is obscured in the depths of history, but appears to have been started by T.C.A.-organized ski groups in the early thirties. The first individually

*(Continued on Page 4)*

## Senior Week Sales Pass 1940 Mark

More options to Senior Week have been sold already than had been taken all last year. Robert S. Williams, chairman of the committee revealed last night. Over 300 options were taken last week, as compared with a total of 293 sales for the entire class of '40.

Tickets to the Senior Dance on January 10 can still be obtained from any member of the Senior Week Committee, it was stated. They are available without charge to every member of the Class of '41.

### Saunders Plays

The Senior Dance will, as usual, take place in Walker Memorial. Gene Saunders is to furnish the music, while dress is formal.

Options to Senior Week will next go on sale in April when the price will be raised to \$4.50.

## Carolers Sing Again At Radcliffe Dorms

In a return engagement promised them last Saturday by their Radcliffe fans the Lambda Chi Carol Quintet will put away their slip-sticks, exchange their Franks for song sheets, invade the quiet sanctuary of the Radcliffe Dormitories, and transform the erstwhile quiet of said residences into a bedlam.

Five Tech men while gathering around an ivory thumper last Saturday evening were astounded by their harmonic efforts and decided to serenade a member's Radcliffe gal friend. Upon the rendition of a few numbers the pennies began to fall like rain, even one nickel joined the flood.

The girls invited the boys in for some dancing and, at the suggestion of the house mother, the lads are returning this Thursday to continue the festivities.

On Wednesday evening at 8:00 the Dormitory freshmen will venture forth to the home of Dr. Compton and sing Christmas Carols beneath the presidential window. This gesture by the frosh has long been accepted as a tradition here at Technology since years gone by.

## Frosh Reception Attracts 400

**3 Hour Tea Gives New Men Chance To Meet Professors**

More than 400 guests were received by Doctor and Mrs. Karl T. Compton last Sunday afternoon on the occasion of the annual President's reception for the freshmen class.

Starting at 4 o'clock, and lasting for three hours, the tea afforded the members of the freshmen class an opportunity to meet their professors. The 15 members of the Freshman council, acting as ushers, introduced the guests to President and Mrs. Compton and the faculty members who were present. During the course of the affair the guests sang Christmas Carols and other songs.

Refreshments consisting of cider, doughnuts, tea, sandwiches, and frappe were served to the guests.

### International Club

Professor Albert A. Schaefer will address the International Club on the subject, "The Present World Situation", tomorrow afternoon in Room 3-270 at 5:00 P.M.

## Frosh Debate Won Last Night By Section 6

**Champions Will Meet Columbia Freshmen Over Station WNYC**

Section 6's three representatives won Technology's first freshman debate tournament last night in the Dutch Room of the Graduate House by defeating a squad from Section 20. The victors will travel to New York City sometime in the near future to meet a freshman team from Columbia University over radio station WNYC.

The winning trio consisted of Richard Bersohn, David M. Brown, and Dean C. Picton. They won out over Section 20's Edgar R. Eaton, Jr., Andrew J. Schmitz, Jr., and Harold J. Schnitzer.

### Defense Alliance Is Subject

Section 6 debated the negative side of the question, "Resolved: that the nations of the western hemisphere should form a permanent alliance or union for defense." Bersohn and Schnitzer delivered the rebuttals.

Professor Howard R. Bartlett of the English department, Professor Theodore Smith of the English department, and Mr. Burton Miller judged the finals of the contest, which was under the sponsorship of the Debating Society.

### Tourney Started Nov. 29

The tournament was launched on November 29 and 30 in the E 11 classes by twenty-four section panels. The subject for this first round was, "Resolved: that all un-American activities should be forcibly suppressed." The subject was changed for the following rounds to provide a well-rounded program.

## Bridge Collapse To Be Pictured In Newsreel

**Four Minute Movie To Show Tomorrow At 4:00, 4:30, 5:00 P.M.**

Picturing the recent collapse of the Tacoma Narrows Bridge, newsreels will be shown in Huntington Hall tomorrow at 4:00, 4:30, and 5:00 P.M. by the Technology student chapter of the American Society of Civil Engineers. The picture is open to all Technology students and staff-members.

Lasting four minutes, these pictures show the bridge swaying in the wind and finally collapsing and falling into the waters below, with a newspaper reporter barely escaping with his life, losing his car and his dog.

The reason for the collapse of this bridge is plainly shown by a model which was constructed by Professor Blake Mills of the department of Mechanical Engineering after he had become interested in the construction problems connected with the building of the bridge. This model is on display in the Structural Laboratory, Room 1-229.

## Whaling Prints Given To Institute By Forbes

The largest collection of whaling prints in existence has been presented by Allan Forbes Jr. to the Massachusetts Institute of Technology, Dr. Karl T. Compton announced recently. 1,000 lithographs, engraving, water colors and oils comprise the group.

The Pratt School of Naval Architecture and Marine Engineering at Technology, will house the collection. Forbes' whaling group together with the already acquired Arthur H. Clark collection of marine prints, about 2,500 in number, will make Technology one of the most important marine repositories in this country.

# The Tech

Vol. LX Tuesday, December 17, 1940 No. 53

## MASSACHUSETTS INSTITUTE OF TECHNOLOGY

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Night Editor: Robert J. Schaefer, '43

## THE CAT'S MEOW

It's hardly worth mentioning, but Voo Doo appeared on the stands yesterday.

To every one, the issue, the one which was purportedly to give the Phosphorus staff the opportunity to publish what allegedly was demanded and what it said it could produce if "only given a chance to co-operate," today could easily be the cause for an intense feeling of regret.

Undoubtedly the members of the Voo Doo Board don't regard the Christmas issue as a sample of what they can produce in the way of a first-class humorous publication. If they do, they are less capable than even their critics in the recent Institute Committee affair thought of them as being. To the Board, especially, yesterday's issue must have been a disappointment. The issue, we thought, was clean, but drab, unartful, unoriginal, and unbelievably amateurish. It is possible that Voo Doo in its zeal to please lost its good "magazine sense". But we doubt it. Being clean and real doesn't mean being dull and simple. And, we bet, Voo Doo knows it.

Regretful also must be the Institute Committee. Any fond hopes which it may have entertained about getting an improved humor magazine by means of the pitiful set-up now in operation must have been shattered like a good many of its notions concerning efficient ways of publishing a magazine.

Now that practically everyone except the Technology Dames has juggled with the publication of Voo Doo the only commendable word which can be salvaged must go in the direction of the heterogeneous staff who worked on this last issue. They get credit for trying to publish a lively issue. Or maybe we should let the Dames try.

## THE READER SPEAKS

Editor, The Tech:

It seems to me that for one who is actively preparing himself for fighting, the letter from Mr. Rips in The Tech, December 13, is a bit inconsistent with the underlying aims of the Advanced R.O.T.C. Major Pigg early last week in a lecture to his M.S. class of which Mr. Rips is a member, declared that such people were "unknowing saboteurs." Is it that the R.O.T.C. must turn to "saboteurs" to fill its ranks? A look at the waiting list for admittance to the Advanced

R.O.T.C. will convince anyone that such is not the case.

I am not a war monger. On the contrary, I like peace as much as Mr. Rips. It seems to me that one who condemns action such as the Burke-Wadsworth Conscription Bill, and other steps taken by the elected officials of this country who are acting with the specific intention of preserving our liberty and rights as a nation, is not one to whom the Army should turn for leadership in case of war.

I do agree with Mr. Rips that every person in this country should unite for peace, but having Uncle Sam get caught with his pants down as Great Britain was in the period immediately preceding the war does not appeal to any peace-loving American. In closing I would like to remind Mr. Rips that our frontier is on the English Channel now, a little closer than when Mr. Roosevelt made his famous statement to the press a few years ago.

Sincerely yours,  
 R. C. GIBSON, '42.

To the Editor of The Tech:

With much interest I have read Mr. Rips' letter in your last issue.

I wish to state, however, that the goulash of impertinent misinterpretations of facts making up the body of the letter utterly fails to induce in my humble personality any desire to be organized by the honorable ASU.

Respectfully yours,  
 HENRY FAUL, '43.

P. S. Would Mr. Rips plus ASU plus DAILY WORKER still maintain that "strict neutrality" if the USSR joined Britain?

## Getting the Right Job

This is the third of The Tech's weekly articles aimed toward helping Technology men to secure the jobs for which they are best fitted.

You're a panchromatic film that has been in the developer a long time and should, by this time, have been checked scientifically to be sure that the picture is coming out as you want it. Not only that, but you've held yourself up against a dark green light and have seen, at least vaguely, what you look like. What kinds of printing paper will bring the image out to best advantage? What jobs are you best fitted for?

### Know the Jobs

You must know what kinds of paper there are, and what types of negatives they are designed for. Authorities estimate that there are 20,000 different kinds of jobs in America. The *Dictionary of Occupational Titles*, issued in June, 1939, after five years of research by the United States Department of Labor, available at the Boston Public Library lists nearly 18,000 of them. They can be classified into eight major fields: research, development, design, production, sales, organization, finance, and artistic interpretation. If you'll sit down and think, you will soon have a list of qualifications for each of these fields, and with a little more thinking you can see which fields your personal qualifications best fit. What jobs in the field you choose should depend upon how well you can satisfy the requirements of specific jobs.

Information about jobs is available from many sources. Science Research Associates, 1700 South Prairie Ave., Chicago, was organized to study jobs, less than three years ago, by two youthful University of Washington graduates who now employ over fifty-five trained research workers and are considered leading authorities on jobs in America. Government agencies (such as the Bureau of the Census and the Office of Education), newspapers, and colleges are constantly issuing special information.

### Try the Jobs

It is sometimes helpful to read about jobs but the only way to understand them thoroughly is to work at them. The wise freshman tries to figure out what jobs he is fitted for and tries them out during his summer vacations. Not only does he gain first hand information about the particular job he favors but, more important, he learns how he gets along with other people and where his weaknesses lie. The amazing success of cooperative college courses initiated at Cincinnati University in 1906, started at Northeastern University in Boston three years later, and given much publicity at Antioch College in Yellow Springs, Ohio is some indication of the value of working during summers. The Institute has offered certain cooperative courses since 1917 when the Chemical Engineering Practice School began, and now offers, in addition to chemical engineering, cooperatives in mechanical engineering, city planning practice, electrical engineering, and marine transportation. There is an increasing tendency toward this mixing of formal education with real jobs.

Obviously you can't work in three summers at all the jobs you think you may be fitted for. Among your own acquaintances or among the 30,000 living alumni of the Institute, there are men and women in all professions who will be glad to tell you what their jobs require and what they offer. If you see both men who have succeeded and men who have failed at the same job you can obtain some idea of what the jobs are like.

But until youth wakes up to the opportunities that are available today and realizes that it is important to discover where we fit best, all of the summer jobs, cooperative courses, and sources of information may just as well be buried.

The next article, to be published on Tuesday, January 6, will take up means of getting the job you want.

## CALENDAR

### TUESDAY, DECEMBER 17

5:00 P.M. Debating Society Meeting—Litchfield Lounge.  
 5:00 P.M. M.I.T.A.A. Meeting—Tyler Lounge.  
 6:30 P.M. Class of 1926 Dinner—Silver Room.  
 7:30 P.M. Christian Science Organization Meeting—Tyler Lounge.  
 7:30 P.M. M.I.T. Radio Societies Plant Trip—Leave Bldg. 6.  
 8:00 P.M. Boston College vs. Technology Hockey Match—Boston Arena.

### WEDNESDAY, DECEMBER 18

4:00, 4:30, 5:00 P.M. Motion Pictures of Tacoma Bridge Collapse—Room 10-250.  
 5:00 P.M. Senior Week Comm. Meeting—Litchfield Lounge.  
 5:00 P.M. Bible Study Group Meeting—Room 7-108.  
 5:00 P.M. Outing Club Meeting—Room 1-390.  
 5:00 P.M. Physical Society Meeting—Room 10-275.  
 5:00 P.M. International Club Meeting—3-270.  
 5:00 P.M. A.S.C.E. Meeting—Room 10-250.  
 6:00 P.M. Graduate House Christmas Party.  
 6:00 P.M. Dorm Bull Session Dinner—Pritchett Hall.  
 8:00 P.M. Middlebury vs. Technology Basketball Game—Hangar Gym.  
 8:00 P.M. Harvard vs. Technology Swimming Meet—Alumni Pool.

### THURSDAY, DECEMBER 19

5:00 P.M. Institute Committee Meeting—Litchfield Lounge.

## STUDENTS!

WHEN IN TOWN

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Baltimore	5.15	9.30
Philadelphia	4.00	7.20
Richmond	7.70	13.90
Jacksonville	14.50	26.10
Miami	18.65	33.60
St. Louis	16.50	21.70
Kansas City	20.00	29.80
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Bangor, Me.	4.15	7.50
Montreal	6.25	11.25
Burlington, Vt.	4.00	7.20
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## Sextet Meets B. C. Squad At Arena

Without Sage, Team  
Opposes Champions  
of N. E. League

With three defeats already charged to experience, a Tech sextet with nothing to lose and the world to gain will take the Boston Arena ice this evening at 8:00 P.M. against Boston College, the defending champion of the New England Intercollegiate Hockey League. Both teams were weekend victims of Quad League clubs. B. C. outskated Yale and lost 4-3, while Dartmouth beat a crippled Tech squad, 6-1.

M.I.T. has had the misfortune to be without the services of its star defenceman, Nat Sage, and has been forced to use two relatively inexperienced men. Both Dave Christison and Dick Small have played fine games and have improved steadily. The latter is a hardchecking and smooth defense operative and Christison is a fine poke checker and equally smooth skater.

**Beupre At Center**  
The Tech attack has been continually revamped and at present uses Beupre as first line center, flanked by varying combinations. Blanchard has been center on the other line. However against Dartmouth even Blanchard was shifted to wing with Phaneuf taking over the pivot post. The wings, subject to plenty of juggling, will be Cadogan, Arnold, Waller and Hart. Coach Owen has been trying to develop an attack guaranted to remove the presure from the overburdened Beaver defence.

**Goal Under Pressure**  
The opposition in the past has continually taken liberties with the Tech defense. Four men are up and in the Tech zone at all times. As a result the pressure on goalie Gordon has been overwhelming. He has been forced to make a tremendous number of saves in games so far. The high mark was reached in the Northeastern encounter when Gordon kicked out a grand total of 69 shots.

Boston College will place the highest scoring line in intercollegiate hockey on the ice against the Beavers. Capt. Pryor, Ray Chaisson, and Al Dumond were outstanding against Yale. They scored B. C.'s three goals with Chaisson, last year's intercollegiate scoring champ chalking up two goals and one assist.

CHRISTMAS

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DIVIDEND TO MEMBERS



Swim Captain  
Captain of the Beaver Swimming Team for the season just begun is David W. Howard, '41, winner of the dive event in the Amherst meet, New England Intercollegiate Diving Champion, and Member-at-Large of the M.I.T.A.A. Picture was taken at a recent executive meeting of the Athletic Association.

## Tech Rifle Squad Downs Beverly Shows Winning Form In Decisive Victory By 905-885 Score

In their first decisive victory of the season the Technology riflemen outpointed the Beverly Rifle Club of Boston Friday night to win by a score of 905 to 885.

This was the fourth match of the year, but was the first in which the team seemed to be in winning form. James T. Harker, '43, was the high scorer of the match. No record scores were rung up, but all five of the Technology triggermen wound up with scores over 180. Shooting for the Institute against the crack Boston club were Richard X. Gannon '42, Charles S. Butt, '41, Norman L. Davis, '42, William F. Orr, '42, and Harker. With this group, and reserves, including several men up from last year's freshmen squad, prospects for the season are quite hopeful.

## Pool Records Set As Tanksters Bow In Season Opener

Beaver 400 Yard Relay  
Smashes Tech Record  
In Amherst Victory

Eight pool records were established as the varsity swimming team went down to defeat, 43-32, at the hands of an Amherst squad exceptionally strong in the specialty events last Friday night in the dedication meet of the new pool. A new Technology record was established by the Tech mermen when they succeeded in defeating the 400 yard free-style relay team from Amherst which had won the New England championship last year.

Captain Dave Howard and Frank J. Jerome placed first and second respectively in the diving competitions while Bill Denhard of Tech won the 50 yard free-style. These boys will be put to the acid test tomorrow night, however, when the varsity meets Harvard.

**Joep Speaks**  
A capacity crowd of 350 listened to Ralph T. Joep, chairman of the Advisory Council on Athletics, give a dedication speech before the meet and watched Earl Bimson, Henry Tiedemann, Paul Sommer, and Bill Denhard stroke their way to a new record of 3 minutes, 54.9 seconds for the 400 yard free-style relay.

The freshman team of Coach Gordon Smith suffered defeat from the Harvard freshmen but succeeded in winning several events. Fred Schierbaum took the 100 yard backstroke from Shatt and Rand of Harvard while Jack Hunn showed sufficient form to win from Hewis of Harvard. Schierbaum, Cochran, and Broderick won the 150 yard medley relay and "Smithmen" lagged by just one-tenth of a second in the 200 yard free-style relay.

**Exeter too Much**  
Hardly had the inexperienced frosh recovered from their defeat at the hands of Harvard when they met the prep-school boys from the Phillips Exeter Academy at Exeter. Misfortune due to the mistakes of beginners again brought defeat.

## Tickets for B.C. Game On Sale by M.I.T.A.A.

Thirty cents is the price of tickets for tonight's Beaver hockey game. The sextet will start at the Boston Arena against a highly rated Boston College team at eight o'clock. These tickets, available at reduced rates to students, may be obtained at the T. C. A. office or the office of the M. I. T. A. A. until closing time today.

## Matmen Fall In Close Match With Williams College

Technology's wrestling team dropped a closely contested match to Williams College, Saturday by a score of twenty-one to ten. All of the matches were close and hard-fought with neither side holding a very wide margin in any of the matches.

In the win column for Technology were Fettes and Schwarzman, with a draw for Captain Carleton. Fettes won by the widest margin, with a pin, over his adversary in the 135 pound class. In the 128 pound class the decision was given to Schwarzman after he had nearly succeeded in pinning his rival several times. Captain Carleton of Technology and Captain Earl of Williams fought it out to a draw in a long and well fought bout.

**Byfield Loses Bout**  
In the unlimited class Byfield lost by a very narrow margin to his heavy Williams opponent. Byfield, now a Sophomore, thus suffered his first defeat since he came to Tech.

## Quintet Bows To N. H. Five In Last Period

Tired Beavers Lose  
Early Game Lead;  
Dolan Injured

Although they were ten points ahead with ten minutes to go, five thoroughly fagged Tech courtmen went down to defeat Friday night to New Hampshire. The score was 33-31.

In the game at Durham, the Beaver hoopsters started off strong to take an early lead. Marakas, Dolan, and Glick were responsible for most of the Tech points, and during the first part of the encounter were sinking shots from all parts of the floor.

However, as the men tired, accuracy lessened and defense weakened. The New Hampshire's quick break on the offense began to baffle the Beavers with the result that the home team scores began to catch up with the Cardinal and Grey. In the last two minutes of the first half the Wildcats brought their score from the short end of a 19-9 tally up to 15.

**Dolan Hurts Ankle**  
Shortly after the second half started, Dolan, coming down from a jump, sprained his ankle, and was forced to leave the game. The substitution of Whelan was the only one made in the game. Because of the fact that they were playing on an enemy court, and because of the efficiency of New Hampshire's man-to-man defense, the Beavers were able to score only a few more points. The Wildcats drew level  
(Continued on Page 4)

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## EASTERN STEAMSHIP LINES

EXAMINATION SCHEDULE

MONDAY, JANUARY 27—9 A.M.			Subject			Examiner		
2.04	Applied Mechanics	L. S. Smith	10.40	Chem. Eng. Thermodyn.	C. E. Reed			
2.06	Applied Mechanics	L. S. Smith	13.34	Ship Construction	Owen, Burtner			
2.211	Adv. Mech. Eng. Prob.	Soderberg	13.75	Adv. Marine Eng.	Burtner			
3.11	Prod. Metallurgy	Waterhouse	15.61	Law of Contracts	Schaefer			
4.53	Prof. Relations	MacCormack, Clapp	16.51	Dynamic Meteorology	Houghton			
5.53T	Spec. Top. Org. Chem.	Morton	M31	Differential Equa.	Crout			
5.61	Phys. Chemistry	Millard	M451	Fourier Ser. & Int.	Wicner			
5.684	El. Phys. Chemistry	Gillespie	2.797	Auto Engines	C. F. Taylor			
6.221	Elec. Power Gener.	Mulligan		Special Examinations				
6.58	Trans. in Linear Sys.	M. F. Gardner						
7.411	Sanitary Biology	Jennison	1.63	Hydraulics	Russell			
8.01	Physics	Sears	2.55	Adv. Metals & Test.	Leselles			
8.012	Physics	Boyer	2.411	Heat Engineering	Taft			
8.21	Electronic Phen.	Nottingham	2.43	Heat Engineering	Swenson			
10.45	Distill. & Absorp.	Gilliland	2.791	Arch. History	C. F. Taylor			
13.56	Marine Engineering	Gilliland	4.421	Int. to Thermodyn.	E. T. Putnam			
M341	Actuarial Math.	Chapman	5.63	App. Elec. in Industry	Sherrill			
M361	Adv. Calculus	Wadsworth	6.211	Elec. Mach. Design	Davies			
M571	Diff. Equations	Douglass	6.251	Elec. Insulation	vonHippel			
	Special Examinations	Levinson	6.26	Prin. Wire Comm.	C. E. Tucker			
			6.281	Tech. of Food Prod.	Proctor			
			7.711	Physics	Page, Frank			
			8.03	Experimental Physics	Harrison			
			8.11	Chemical Eng.	McAdams			
			10.31	Structures	Newell			
			16.21	Synoptic Meteor.	Petersson			
			16.913	Special Examinations				
MONDAY, JANUARY 27—1:30 P.M.			THURSDAY, JANUARY 30—9 A.M.					
1.25	Eng. Construction	Breed	1.271	Transport. Eng.	Balcock, Bone			
1.64	Hydraulics	Russell	1.70	Hydrology	Gifford			
1.681	Theory of Models	Reynolds	1.701	Hydrology	Gifford			
2.01	Applied Mechanics	L. S. Smith	2.10	Heat Engineering	Swenson			
2.621	Refrigerator Eng.	Prescott, Jones	2.402	Heat Engineering	Swenson			
2.732	Machine Design	Swett	2.72	Heat Engineering	Swenson			
3.12T	Metallurgy	Waterhouse	3.61	Non-Ferrous Metal	Hayward			
3.141	Metallurgy	Waterhouse	6.29	Elec. Cont. & Meas.	Gray			
4.471	Eur. Civ. & Art	Seaver	6.511	Elec. Power Gen.	Mulligan			
5.061	Inorganic Chemistry	Schumb	7.41	Chem. of Water	Jennison			
5.76	Thermodyn. & Chem.	Gillespie	7.691	Health Education	Turner			
6.31	Prin. Elec. Comm.	Rowles	8.50	Heat & Thermodyn.	Sears			
7.22	Pers. Hyg. & Nut.	Turner, Harris	8.511	Thermodyn. & St. Mech.	Slater			
7.701	Tech. & Ch. Food Sup.	Proctor	10.28	Chemical Eng.	K. S. Robinson			
8.471	Hist. Dev. of Physics	Alis	M11	Calculus	Douglass			
10.32	Chemical Eng.	McAdams	M12	Calculus	Douglass			
13.43	Th. of Warship Design	Keith	M25	Alg. & Geom.	Hildebrand			
13.43	Aerodyn. of Airp. Des.	Koppen		Special Examinations				
E21	Literature & History	A. T. Robinson						
M651	Modern Algebraic Th.	Clifford						
	Special Examinations							
TUESDAY, JANUARY 28—9 A.M.			THURSDAY, JANUARY 30—1:30 P.M.					
1.32	Des. of Harbor Works	Reynolds	1.48	Foundations	D. W. Taylor			
1.571	Stat. Indet. Struct.	Wilbur	2.00	Applied Mechanics	L. S. Smith			
1.811	Adv. Sanitary Eng.	Camp	5.12	Quant. Analysis	Hamilton			
5.01	Chemistry, General	Wareham		(Courses V & X only)				
5.71	Physical Chemistry	Sherrill	6.47	App. Elec. in Industry	Tucker, Dawes			
6.513	Power Sys. Stability	Fitzgerald	6.511	Elec. Power Circuits	Wildes			
6.561	Adv. Network Theory	Guillemin	7.01	General Biology	Bunker			
7.06	Epidemiology	Prescott	7.58	Vital Statistics	Horwood			
8.463	Int. to Theo. Physics	Frank	8.05	Vibrations & Sound	Morse			
13.15	Th. of Warship Design	Russell	8.461	Int. to Theoret. Phys.	Vallarta			
13.73	Mech. Vibration	F. M. Lewis	10.52	Chemical Engineering	Shorwood			
15.71	Production	Schell	16.62	Aeronautical Lab.	Ober			
Ec11	Econ. Principles	D. S. Tucker	16.67	Labor Relations	Palmer			
Ec12	Econ. Principles	D. S. Tucker	M791	Th. & App. Elasticity	Reissner			
Ec63	Labor Relations	Palmer		Special Examinations				
M111	Calculus	Gelotte						
M651	Alg. of Quantum Th.	Hitchcock						
	Special Examinations							
TUESDAY, JANUARY 28—1:30 P.M.			FRIDAY, JANUARY 31—9 A.M.					
1.41	Structures	Mirabelli	1.491	Soil Mechanics	D. W. Taylor			
1.561	Adv. Struct. Theory	Pife	2.41	Heat Engineering	Taft			
2.032	Applied Mechanics	Holmes	5.41	Org. Chemistry	Huntress			
2.051	Applied Mechanics	Soderberg	5.51T	Funet. Gr. in Org. Ch.	Hockett			
3.85T	Flotation	Schumann	6.01	Prin. Elec. Eng.	Frazier			
4.481	Eur. Civ. & Art	Seaver	6.01T	Prin. Elec. Eng.	Frazier			
6.03	Prin. Elec. Eng.	R. R. Lawrence	6.02T	Prin. Elec. Eng.	Gray			
6.031	Prin. Elec. Eng.	R. R. Lawrence	6.671	Vibrations	Woodruff			
7.40	Radiochemistry	Gould	7.40	Invert. Zoology	Blake			
8.411	Nuclear Physics	Evans	13.01	Naval Architecture	Rush			
13.54	Marine Eng.	P. M. Lewis	15.51	Indust. Accounting	Fiske			
13.58	Marine Eng.	Chapman			Robnett			
15.41	Finance	Armstrong			Willett			
M21	Calculus	Hitchcock	16.911	Synoptic Meteor.	Cameron			
M22	Differential Equa.	Zeldin	M381	Theory of Functions	Franklin			
M331	Math. Th. of Stat.	Wadsworth	M551	Funet. of Real Varia.	Crout			
M671	Part. Diff. & Int. Eq.	Crout	M731	Mechanics				
M831	Analysis	Franklin		Special Examinations				
WEDNESDAY, JANUARY 29—9 A.M.			FRIDAY, JANUARY 31—1:30 P.M.					
1.21	Ry. & Hy. Curves	Balcock	1.75	Hyd. & San. Eng.	Camp			
1.531	Structures	Pife	2.55	Power Plant Eng.	Taft			
2.011	Applied Mechanics	L. S. Smith	2.705	Auto. Vehicles	Fales			
2.042	Applied Mechanics	L. S. Smith	8.161	Optics	Hardy			
2.31T	Eng. Materials	Kyle	10.38	Industrial Chemistry	Weber			
4.461	Eur. Civ. & Art	Seaver	10.201	Industrial Chemistry	Weber			
5.141	Anal. Chemistry	Gibb	10.203	Industrial Chemistry	Weber			
5.741	Adv. Radio. Chemistry	J. Harris	10.25	Industrial Chemistry	W. K. Lewis			
6.11	Prin. Elec. Eng.	Gray, Kingsley	15.50	Accounting	Porter			
6.531	Power Sys. Econ.	Balsbaugh			Robnett			
6.665	Dyn. Anal. Aut. Con. Sys.	G. S. Brown	15.52	Accounting	Robnett			
7.301	Bacteriology	Horwood	Ec111	Economic Principles	MacLaurin			
7.361	Indust. Microbiol.	Prescott, Dunn	M351	Adv. Calc. for Eng.	Franklin			
				Special Examinations				

Outing Club

(Continued from Page 1)

organized descendant of the present O.C., the "Tech Ski Runners," grew out of these T.C.A. groups and was started in the autumn of 1934. It was duly recognized by the Institute committee.

In short time the activities of the Ski Runners became too broad to be

called a skiing club, and in 1935, on about December 11 according to the O.C. News, the present M.I.T. Outing Club was organized. Since that initial date the Outing Club has grown to be one of the largest and most versatile Institute activities with a membership numbering 115, and activities including canoeing, skiing, skating, rock-climbing, cycling, riding, and barn dancing.

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A.P.O. Banquet

(Continued from Page 1)

'44, Robert B. Meny, '44, William W. Pugh, '44, Morris H. Rosenthal, '43, Derriek T. Vail, III, '44, Virgil E. Otto, '43, E. Charlton Crocker, '43, Henry G. Gastrick, '44, Albert J. Martin, '44 and Maurice E. Taylor, '42.

Basketball

(Continued from Page 3)

with and passed the Cardinal score to win, 38-31.

Middlebury Tonight's Opponent

In an attempt to redeem themselves after Friday's defeat the Beaver hoopers will meet Middlebury College in the Hangar Gym tonight. Although Dolan will not be able to play, and the opposing team is highly touted, pre-game forecasts seem to presage a victory for the Beavers.

Defense Courses

(Continued from Page 1)

tion to vibrations); Dynamic Analysis of Servomechanisms; Metallography; Applied Mathematics; Exterior Ballistics; and Ordnance Inspection.

Subjects of College Grade

Since all of the subjects offered in the program are of college grade, the requirements for admission to most of them include the necessity of at least three years at an engineering school, or its equivalent. Applications, however, are coming very fast, according to Professor Douglass, and it is expected that the rolls will be filled completely before the regular sessions begin.

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